

FORM PTO-1619A
Expires 08/30/98
OMB 0501-0027



07-06-1998

U.S. Department of Commerce
Patent and Trademark Office
PATENT



100755424

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Submission Type

- ☒ **New**
☐ **Resubmission (Non-Recordation)**
Document ID#
☐ **Correction of PTO Error**
Reel # Frame #
☐ **Corrected Document**
Reel # Frame #

Conveyance Type

- ☒ **Assignment** ☐ **Security Agreement**
☐ **License** ☐ **Change of Name**
☐ **Merger** ☐ **Other**
U.S. Government
(For Use ONLY by U.S. Government Agencies)
☐ **Departmental File** ☐ **Secret File**

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1) Weldon, Edwin C.

Execution Date
Month Day Year
04031998

Name (line 2)

Second Party

Name (line 1) Collins, Kenneth S.

Execution Date
Month Day Year
04091998

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

Name (line 1) APPLIED MATERIALS, INC.

Name (line 2) Legal Affairs Department

Address (line 1) 3050 Bowers Avenue

Address (line 2) Mail Stop 2061

Address (line 3) Santa Clara

CA

95054

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

REEL: 9276 FRAME: 0642

Correspondent Name and Address

Area Code and Telephone Number (415) 538-1555

Name Patent Counsel

Address (line 1) APPLIED MATERIALS, INC.

Address (line 2) P.O. Box 450A

Address (line 3) Santa Clara, CA 95052

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

21

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

08965690

Patent Number(s)

If this document is being filed together with a U.S. Patent Application, enter the date the patent application was signed by the first named existing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
only if a U.S. Application Number
has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment:
Deposit AccountEnclosed ☐Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

01-1651

Authorization to charge additional fees:

Yes ☒No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Ashok K. Janah

Name of Person Signing

Signature

Date

FORM PTO-1619C
Expires 03/2000
CDS 0001-0007



**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

Enter additional Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Name (line 1) Donda, Arik

Execution Date
Month Day Year

03281998

Name (line 2) _____

Execution Date
Month Day Year

05201998

Name (line 1) Luz, Brian

Name (line 2) _____

Execution Date
Month Day Year

0401998

Name (line 1) Maydan, Dan

Name (line 2) _____

Receiving Party(ies)

Enter additional Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Name (line 1) _____

Name (line 2) _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____

City

State/Country

Zip Code

Name (line 1) _____

Name (line 2) _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____

City

State/Country

Zip Code

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Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)

PATENT
REEL: 9276 FRAME: 0644

FORM PTO-1615C
Supp. 03/2000
Class 001-027



RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☒ Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) Steger, Robert J.

Execution Date
Month Day Year
04081998

Name (line 2)

Name (line 1) Dyer, Timothy

Execution Date
Month Day Year
04011998

Name (line 2)

Name (line 1) Kumar, Ananda H.

Execution Date
Month Day Year
03231998

Name (line 2)

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Parties

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)

PATENT
REEL: 9276 FRAME: 0645

FORM PTO-1019C
Supers 02/82/83
OMB 0201-0207



**RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY**

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

Enter additional Conveying Parties

☒ Mark if additional names of conveying parties attached

Name (line 1) Veytsar, Alexander M.

Execution Date
Month Day Year

03241998

Name (line 2) _____

Execution Date
Month Day Year

Name (line 1) Narendrnath Kadthala R.

03241998

Name (line 2) _____

Execution Date
Month Day Year

Name (line 1) Kats, Semyon L.

03241998

Name (line 2) _____

Receiving Party(ies)

Enter additional Receiving Parties

☐ Mark if additional names of receiving parties attached

Name (line 1) _____

Name (line 2) _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____
City State/Country Zip Code

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Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)

PATENT
REEL: 9276 FRAME: 0646



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CONTINUATION
PATENTS ONLY**

U.S. Department of Commerce
Patent and Trademark Office
PATENT

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Enter additional Conveying Party(ies)

Name (line 1) Kholodenko, Arnold

Execution Date
Month Day Year
03251998

Name (line 2) _____

Execution Date
Month Day Year
03241998

Name (line 1) Shamouilian, Shamouil

Name (line 2) _____

Execution Date
Month Day Year
04021998

Name (line 1) Grinard, Dennis S.

Name (line 2) _____

Receiving Party(ies)

☐ Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1) _____

Name (line 2) _____

Address (line 1) _____

Address (line 2) _____

Address (line 3) _____
City State/Country Zip Code

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is attached. (Designation
must be a separate document from
Assignment.)

Name (line 1) _____

Name (line 2) _____

Address (line 1) _____

Address (line 2) _____

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City State/Country Zip Code

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

PATENT
REEL: 9276 FRAME: 0647

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|--|--|
| 1) Edwin C. Weldon
23613 Skyview Terrace
Los Gatos, California 95030 | 8) Ananda H. Kumar
1296 Knollview Drive
Milpitas, California 95035 |
| 2) Kenneth S. Collins
165 Knightsaven Way
San Jose, California 95111 | 9) Alexander M. Veytser
1429 Lloyd Way
Mountain View, California 94040 |
| 3) Arik Donde
733 Stendhall Lane
Cupertino, California 95014 | 10) Kadthala R. Narendrnath
3686 Slope View Drive
San Jose, California 95148 |
| 4) Brian Lue
1027 Mountain View Avenue
Mountain View, California 94040 | 11) Semyon L. Kata
810 Gonzalez Drive
San Francisco, California 94132 |
| 5) Dan Maydan
12000 Murietta Lane
Los Altos Hills, California 94022 | 12) Arnold Kholodenko
1747 Eucalyptus Drive
San Francisco, California 94132 |
| 6) Robert J. Steger
22293 Bahl Street
Cupertino, California 95014 | 13) Shamouli Shamoullian
6536 Little Falls Drive
San Jose, California 95120 |
| 7) Timothy Dyer
167 West Jeanine Drive
Tempe, Arizona 85284 | 14) Dennis S. Grimard
511 Liberty Pointe
Ann Arbor, Michigan 48103 |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"ELECTROSTATIC CHUCK HAVING IMPROVED GAS CONDUITS"

for which application for Letters Patent in the United States was filed on November 6, 1997, under Serial No. 09/065,690; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates, and other

forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer, and convey to Assignee the full and exclusive right, title, and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title, and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title, and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions, and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives, and assigns.


4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) April 3, 1998


Edwin C. Weldon

2) 4-9, 1998


Kenneth S. Collins

- 3) _____, 1998
Arik Dondé
- 4) _____, 1998
Brian Lue
- 5) _____, 1998
Dan Maydan
- 6) _____, 1998
Robert J. Steger
- 7) _____, 1998
Timothy Dyer
- 8) _____, 1998
Ananda H. Kumar
- 9) _____, 1998
Alexander M. Veytser
- 10) _____, 1998
Kadthala R. Narendrnath
- 11) _____, 1998
Semyon L. Kats
- 12) _____, 1998
Arnold Kholodenko
- 13) _____, 1998
Shamouil Shamoullian
- 14) _____, 1998
Dennis S. Grimard

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|--|--|
| 1) Edwin C. Weldon
23613 Skyview Terrace
Los Gatos, California 95030 | 8) Ananda H. Kumar
1296 Knollview Drive
Milpitas, California 95035 |
| 2) Kenneth S. Collins
165 Knightshaven Way
San Jose, California 95111 | 9) Alexander M. Veytser
1429 Lloyd Way
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| 3) Arik Donde
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3686 Slope View Drive
San Jose, California 95148 |
| 4) Brian Lue
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Mountain View, California 94040 | 11) Semyon L. Kats
810 Gonzalez Drive
San Francisco, California 94132 |
| 5) Dan Maydan
12000 Murietta Lane
Los Altos Hills, California 94022 | 12) Arnold Kholodenko
1747 Eucalyptus Drive
San Francisco, California 94132 |
| 6) Robert J. Steger
22293 Bahl Street
Cupertino, California 95014 | 13) Shamouil Shamouilian
6536 Little Falls Drive
San Jose, California 95120 |
| 7) Timothy Dyer
167 West Jeanine Drive
Tempe, Arizona 85284 | 14) Dennis S. Grimard
511 Liberty Pointe
Ann Arbor, Michigan 48103 |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"ELECTROSTATIC CHUCK HAVING IMPROVED GAS CONDUITS"

for which application for Letters Patent in the United States was filed on November 8, 1997, under Serial No. 08/965,690; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as invention), and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates, and other

forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer, and convey to Assignee the full and exclusive right, title, and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title, and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title, and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissue of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions, and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives, and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____, 1998

Edwin C. Weldon

2) _____, 1998

Kenneth S. Collins

- 3) 3/25, 1998 Arik Donda
- 4) _____, 1998 Brian Lue
- 5) _____, 1998 Dan Maydan
- 6) _____, 1998 Robert J. Steger
- 7) _____, 1998 Timothy Dyer
- 8) _____, 1998 Ananda H. Kumar
- 9) _____, 1998 Alexander M. Veytsar
- 10) _____, 1998 Kedthala R. Narendrnath
- 11) _____, 1998 Semyon L. Kats
- 12) _____, 1998 Arnold Kholodenko
- 13) _____, 1998 Shamouil Shamoullian
- 14) _____, 1998 Dennis S. Grimard

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|--|--|
| 1) Edwin C. Weldon
23613 Skyview Terrace
Los Gatos, California 95030 | 8) Ananda H. Kumar
1286 Knollview Drive
Milpitas, California 95035 |
| 2) Kenneth S. Collins
165 Knightshaven Way
San Jose, California 95111 | 9) Alexander M. Veytser
1429 Lloyd Way
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| 3) Arik Donde
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San Jose, California 95148 |
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511 Liberty Pointe
Ann Arbor, Michigan 48103 |

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for which application for Letters Patent in the United States was filed on November 6, 1987, under Serial No. 08/965,690; and

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- 3) _____, 1998
Arik Donde
- 4) 5/20, 1998
Brian Lue
Brian Lue
- 5) _____, 1998
Dan Maydan
- 6) _____, 1998
Robert J. Steger
- 7) _____, 1998
Timothy Dyer
- 8) _____, 1998
Ananda H. Kumer
- 9) _____, 1998
Alexander M. Veytsar
- 10) _____, 1998
Kedthala R. Narendrnath
- 11) _____, 1998
Semyon L. Kats
- 12) _____, 1998
Arnold Kholodenko
- 13) _____, 1998
Shamouil Shamoullian
- 14) _____, 1998
Dennis S. Grimard

1 of 3

PATENT

REEL: 9276 FRAME: 0657

- March 26, 1998**

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates, and other

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1) _____, 1998

Edwin C. Weldon

2) _____, 1998

Kenneth S. Collins

- 3) _____, 1998
Arik Donde
- 4) _____, 1998
Brian Lue
- 5) 4/1/98, 1998
Dan Maydan
Dan Maydan
- 6) _____, 1998
Robert J. Steger
- 7) _____, 1998
Timothy Dyer
- 8) _____, 1998
Ananda H. Kumar
- 9) _____, 1998
Alexander M. Veytser
- 10) _____, 1998
Kadthala R. Narendmath
- 11) _____, 1998
Semyon L. Kats
- 12) _____, 1998
Arnold Kholodenko
- 13) _____, 1998
Shamouil Shamouilian
- 14) _____, 1998
Dennis S. Grimard

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|--|--|
| 1) Edwin C. Weldon
23613 Skyview Terrace
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| 7) Timothy Dyer
167 West Jeanine Drive
Tempe, Arizona 85284 | 14) Dennis S. Grimard
511 Liberty Pointe
Ann Arbor, Michigan 48103 |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"ELECTROSTATIC CHUCK HAVING IMPROVED GAS CONDUITS"

for which application for Letters Patent in the United States was filed on November 6, 1997, under Serial No. 08/965,890; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as invention), and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates, and other

forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer, and convey to Assignee the full and exclusive right, title, and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title, and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title, and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions, and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives, and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____, 1998

Edwin C. Weldon

2) _____, 1998

Kenneth S. Collins

3) _____, 1998

Arik Donda

4) _____, 1998

Brian Lus

5) _____, 1998

Dan Maydan

6) April 8, 1998

Robert J. Steger

7) _____, 1998

Timothy Dyer

8) _____, 1998

Ananda H. Kumar

9) _____, 1998

Alexander M. Veytser

10) _____, 1998

Kadthala R. Narendrnath

11) _____, 1998

Semyon L. Kats

12) _____, 1998

Arnold Kholodenko

13) _____, 1998

Shamoull Shamoullian

14) _____, 1998

Dennis S. Grimard

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|--|--|
| 1) Edwin C. Weldon
23613 Skyview Terrace
Los Gatos, California 95030 | 8) Ananda H. Kumar
1296 Knollview Drive
Milpitas, California 95035 |
| 2) Kenneth S. Collins
165 Knightshaven Way
San Jose, California 95111 | 9) Alexander M. Veytser
1429 Lloyd Way
Mountain View, California 94040 |
| 3) Arik Donde
733 Stendhall Lane
Cupertino, California 95014 | 10) Kadthala R. Narendrnath
3686 Slope View Drive
San Jose, California 95148 |
| 4) Brian Lue
1027 Mountain View Avenue
Mountain View, California 94040 | 11) Semyon L. Kats
810 Gonzalez Drive
San Francisco, California 94132 |
| 5) Dan Maydan
12000 Murietta Lane
Los Altos Hills, California 94022 | 12) Arnold Kholodenko
1747 Eucalyptus Drive
San Francisco, California 94132 |
| 6) Robert J. Steger
22293 Bahl Street
Cupertino, California 95014 | 13) Shamouil Shamouilian
6536 Little Falls Drive
San Jose, California 95120 |
| 7) Timothy Dyer
167 West Jeanine Drive
Tempe, Arizona 85284 | 14) Dennis S. Grimard
511 Liberty Pointe
Ann Arbor, Michigan 48103 |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"ELECTROSTATIC CHUCK HAVING IMPROVED GAS CONDUITS"

for which application for Letters Patent in the United States was filed on November 6, 1997, under Serial No. 08/965,690; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as invention), and in and to all embodiments of the invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates, and other

forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer, and convey to Assignee the full and exclusive right, title, and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title, and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title, and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions, and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives, and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

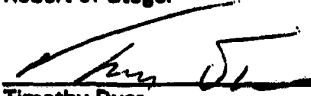
IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____, 1988

Edwin C. Weldon

2) _____, 1988

Kenneth S. Collins

- 3) _____, 1998
Arik Donda
- 4) _____, 1998
Brian Lue
- 5) _____, 1998
Dan Maydan
- 6) _____, 1998
Robert J. Steger
- 7) April 1,, 1998

Timothy Dyer
- 8) _____, 1998
Ananda H. Kumar
- 9) _____, 1998
Alexander M. Veytser
- 10) _____, 1998
Kadthala R. Narendrnath
- 11) _____, 1998
Semyon L. Kats
- 12) _____, 1998
Arnold Kholodenko
- 13) _____, 1998
Shamouil Shamoullian
- 14) _____, 1998
Dennis S. Grimard

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | |
|--|--|
| 1) Edwin C. Weldon
23613 Skyview Terrace
Los Gatos, California 95030 | 8) Ananda H. Kumar
1296 Knollview Drive
Milpitas, California 95035 |
| 2) Kenneth S. Collins
165 Knightshaven Way
San Jose, California 95111 | 9) Alexander M. Veytser
1429 Lloyd Way
Mountain View, California 94040 |
| 3) Arik Donde
733 Stendhall Lane
Cupertino, California 95014 | 10) Kadthala R. Narendrnath
3686 Slope View Drive
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| 4) Brian Lue
1027 Mountain View Avenue
Mountain View, California 94040 | 11) Semyon L. Kats
810 Gonzalez Drive
San Francisco, California 94132 |
| 5) Dan Maydan
12000 Murietta Lane
Los Altos Hills, California 94022 | 12) Arnold Kholodenko
1747 Eucalyptus Drive
San Francisco, California 94132 |
| 6) Robert J. Steger
22293 Bahl Street
Cupertino, California 95014 | 13) Shamouil Shamoullian
6536 Little Falls Drive
San Jose, California 95120 |
| 7) Timothy Dyer
167 West Jeanine Drive
Tempe, Arizona 85284 | 14) Dennis S. Grimard
511 Liberty Pointe
Ann Arbor, Michigan 48103 |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

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forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

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IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) _____, 1998

Edwin C. Weldon

2) _____, 1998

Kenneth S. Collins

- 3) _____, 1998 Arik Donda
- 4) _____, 1998 Brian Lue
- 5) _____, 1998 Dan Maydan
- 6) _____, 1998 Robert J. Stager
- 7) _____, 1998 Timothy Dyer
- 8) 3/23, 1998 Ananda H. Kumar
- 9) 3/24/98, 1998 Alexander M. Veytser
- 10) 3/24, 1998 Kadthala R. Narendrnath
- 11) 3/24, 1998 Semyon L. Kats
- 12) 4/25, 1998 Arnold Kholodenko
- 13) 3/24, 1998 Shamouil Shamouilian
- 14) 4/2, 1998 Dennis S. Grimmer